IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: HA, et al.

Docket:

9717.24US01

Title:

METHOD TO MANUFACTURE COMPOSITE POLYMER ELECTROLYTE MEMBRANES

COATED WITH INORGANIC THIN FILMS FOR FUEL CELLS

CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: EV 321727874 US

Date of Deposit: December 30, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Mail Stop PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:

Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.

Utility Patent Application: Spec. 25 pgs; 18 claims; Abstract 1 pgs.

The fee has been calculated as shown below in the 'Claims as Filed' table.

2 sheets of formal drawings

Certified copy of a Korea application, Serial No. 10-2003-0035127, filed May 31, 2003, the right of priority of which is claimed under 35 U.S.C. 119

A signed Combined Declaration and Power of Attorney

Assignment of the invention to Korea Institute of Science and Technology, Recordation Form Cover Sheet

A check in the amount of \$770.00 to cover the Filing Fee

A check for \$40.00 to cover the Assignment Recording Fee.

Application Data Sheet, 7 pages.

Other: Preliminary Amendment

Return postcard

CLAIMS AS FILED

Number of Claims Filed		In Excess of:		Number Extra		Rate		Fee
Basic Filing Fee				1.		P 2		\$770.00
Total-Claims-		Markey Company of the State of		and the second s		து முறைய நடிக		
18	-	20	=	0	х	18.00	=	\$0.00
Independent Claims		* * * * * * * * * * * * * * * * * * *						
1	-	3	=	0	х	86.00	=	\$0.00
MULTIPLE DEPENDENT CLAIM FEE								\$0.00
TOTAL FILING FEE								\$770.00

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.

P.O. Box 2903, Minneapolis, MN 55402-0903

(612) 332-5300

By:

Name: Curtis B. Hamre

Reg. No.: 29,165 Initials: CBH/pjk

23552

PATENT TRADEMARK OFFICE

(PTO TRANSMITTAL - NEW FILING)